Learning Outcomes
By the end of today’s session you will be able to:

• Access your Subject Guide for Geography & GIS
• Locate full-text of a specified Journal Article (recap)
• Define how and what you are going to search for, based on a given topic
• Search for and retrieve relevant results in USearch and Web of Science
• Be aware of other relevant resources
Article search
Geographic Information Systems
October 2018
ulster.ac.uk
Searching for a journal article using a reference – How it should look in LHS Harvard Style


*Please note all punctuation. See LHS referencing Guide
https://guides.library.ulster.ac.uk/ld.php?content_id=28291115
Journal finder list

Use this when you have a complete reference or journal title

- Login to Portal
- Click on the Library & ICT tab
- Click Subject Guides under Key Services
- Filter by group and select Life and Health Science
- Select Geography and GIS
- Choose Electronic Journals in Quick Links
Electronic Journals

• Put your journal title directly into the search box
• Follow the blue hyperlinks to navigate to your article
• Use the PDF version of the paper to ascertain page numbers for quotations.
Search strategy

Geography and GIS
Why is this important?
Your search strategy is the blueprint for your research

- Structured searching is important
- Discover what has already been published in your subject area
- You want to get worthwhile results
- Avoid significant gaps in your knowledge base
Define your topic

What are the key concepts?

Examine the use of GIS in Secondary schools
Analyse your statement

Remember Americanisms
Spelling variations and terminology

• Tumor or tumour

• Behaviour or behavior

• High School or Grammar School

• Highway or Motorway
Are there alternative ways to describe your keywords?

**GIS**
geographic information systems
geographical information systems
GI data
spatial analysis; spatial technology

**Secondary schools**
secondary education
grammar school(s) high
tschool(s)
Combining search concepts
Using AND and OR

Use **OR** to search for alternative ways to describe your search concept:

- e.g. gis **OR** geographic information

This will **INCREASE** the number of results found
Combining search concepts
Using AND and OR

Use **AND** to combine all of your search concepts in your results:

  e.g.  gis AND school

This will **DECREASE** the number of results found
Search terms explained
Truncation and phrase searching

Use an **asterisk** * to find different endings for a word root:
- geograph* will find
  - geography
  - geographic
  - geographies
  - geographical
  - geographically

Use **double quotation marks** “ ” to find results where your terms appear together

  e.g. “secondary school”
Search terms explained
Parentheses (brackets)

Use brackets ( ) to combine alternative terms with another search term

e.g. gis and (secondary school or secondary education )
USearch
Some tips

USearch searches and links to Library e-resources (many of our databases and electronic journals)

Good starting point to find out what is available on a subject

Not all full text – look for a Full Text link or **U Find it**

For complex searches you must still use individual databases

Not everything the Library holds is covered
Access USearch from the Portal

- Login to Portal
- Click **Subject Guides** under Key Services
- Go to the **Geography and GIS Library guide**
- Click on the **Databases** tab

[Click here to view a video of this step]
Add your search concepts
Use Advanced Search

gis or “geographic* information” or “gi data” or “spatial analysis”

AND

“secondary school*” or “grammar school*” or “secondary education”

Click Search

Click here to view a video of this step
Refine your results
Use the Refine panel to get the most relevant results

You could try…
• Specifying a date range
• Academic journals
• Peer Reviewed articles
• English language

Or add another search concept in the boxes above
  e.g. teach*
Implementation and Effectiveness of GIS-Based Projects in Secondary Schools.

Authors: Demirci, Ali¹
         Karaburun, Ahmet¹
         Ünlü, Mehmet²

Source: Journal of Geography; 2013, Vol. 112 Issue 5, p214-228, 15p

Document Type: Article

Subjects: Secondary education; Activity programs in education; Teaching methods in education; Geographic information systems; Enthusiasm

Author Supplied Keywords: geography education

Keywords used to describe the article: GIS-based projects; project-based learning; secondary schools; Turkey

Abstract: This study aims to provide an understanding of the main challenges to conducting GIS-based projects in secondary schools and to develop practical, project-based learning experiences in public high schools in Turkey. The students first studied their school districts to understand the main social, economic problems in their area, then conducted nine different GIS-based projects to help design solutions to these problems. As seen in the study, GIS is a very important teaching and learning tool for secondary schools; however, its effective use depends on planning, motivation, support resources, time, and
Implementation and Effectiveness of GIS-Based Projects in Secondary Schools.

Authors: Demirci, Ali¹
Karaburun, Ahmet¹
Ünlü, Mehmet²

Source: Journal of Geography; 2013, Vol. 112 Issue 5, p214-228, 15p

Document Type: Article

Subjects: Secondary education; Activity programs in education; Teaching methods; Geographic information systems; Enthusiasm

Author Supplied Keywords: geography education
GIS-based projects
project-based learning
secondary schools
Turkey

Abstract: This study aims to provide an overview of the experiences to conducting GIS-based projects in secondary schools. It provides insights into the effects of these projects on students, teachers, and the community. The study was conducted in three public high schools in Turkey, involving 4,015 people in their school districts to understand the main social, environmental, and economic problems in their area, then conducted nine different GIS-based projects to help design solutions to these problems. As seen in the study, GIS is an effective tool to be used in education and problem-solving.
Article full-text

Ensure pop-ups are enabled on your device

• Click **U Find it** to check the Library’s e-journal holdings for a subscription

• If we have a subscription, the full-text will load in a separate window

If you encounter problems at this step, please contact your librarian: science@library.ulster.ac.uk
Keep a record of appropriate articles
Export references to RefWorks for use in your assignments

- Open RefWorks using the **A-Z list of databases** on the Library & ICT tab
- Back on your USearch screen, select the references you wish to keep using the `+` icon
- On the My Folder screen, select all and click **Export**
- Ensure **Direct export to RefWorks** is enabled and click **Save**
- Select **Legacy RefWorks**

Always save your references to a folder

Click to view a video of this step
Web of Science
Final year GIS
October 2018
ulster.ac.uk
Web of Science Coverage

• The *Web of Science Core Collection* consists of ten indexes containing information gathered from thousands of scholarly journals, books, book series, reports, conferences, and more.

• covers over 12,000 highly acclaimed impact journal worldwide.

• Science Citation Index: 1970-present

• Updated Weekly
Find English language journal articles from 2010 onwards on the following topic:

Using **GIS** to measure public access to woodlands/parks
## Topic

### Search concepts from title:

<table>
<thead>
<tr>
<th>GIS</th>
<th>Access</th>
<th>Woodlands/Parks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geographic information</td>
<td>Accessible/accessibility/accesses/accessed</td>
<td>Wood/s</td>
</tr>
<tr>
<td>Geographical information</td>
<td></td>
<td>Park/s</td>
</tr>
<tr>
<td>Spatial analysis</td>
<td></td>
<td>Green space/s</td>
</tr>
<tr>
<td>gi data etc.</td>
<td>Etc.</td>
<td>Forest/s Etc.</td>
</tr>
</tbody>
</table>
Add your search concepts

Use Web of Science Core Collection

gis or “geographic* information”

AND

wood* or park*

AND

access*

Click Search
Refine your results
Use the Refine panel to get the most relevant results

You could try…

• Specifying a date range
• Academic journals
• Review articles
• English language

Or add an extra search concept in the boxes above

e.g. public*
Web of Science-special features

• You must set up an account in Web of Science in order to get the add on features, like

• Results can also be filtered by Times Cited
Mapping the urban asthma experience: Using qualitative GIS to understand contextual factors affecting asthma control

By: Keddem, S (Keddem, Shimrit)[1,2]; Barg, FK (Barg, Frances K.)[3,4]; Glanz, K (Glanz, Katherine J.); Jackson, T (Jackson, Tara)[7]; Green, S (Green, Sarah)[6]; George, M (George, Maureen)[5]

SOCIAL SCIENCE & MEDICINE
Volume: 140  Pages: 9-17
DOI: 10.1016/j.socscimed.2015.06.039
Published: SEP 2015

Abstract
Asthma is complex and connected to a number of social, economic, political, environmental, crime and violence, and environmental triggers. A mixed methods study was conducted to explore the experiences of urban people with asthma in controlling their asthma. This was part of an initial phase of qualitative interviews in West Philadelphia, a primarily African American community. Data from qualitative, semi-structured interviews indicated that stress and environmental allergens were the most salient triggers of asthma. But the study also identified six neighborhood factors to map including crime, housing vacancy, illegal dumping, tree canopy and parks. These map layers were combined into a final composition. This mixed-methods approach contextualized respondents’ perceptions in the framework of the USA-UHI which tells a more complete story about their experiences.

Keywords
Author Keywords: Asthma control; Disparities; Geographic information systems; Semi-structured
Mapping the urban asthma experience: Using qualitative GIS to understand contextual factors affecting asthma control

By: Keddem, S (Keddem, Shimrit)[1,2]; Barg, FK (Barg, Frances K.)[3,4]; Glanz, K (Glanz, Karen)[5,6]; Jackson, T (Jackson, Tara)[7]; Green, S (Green, Sarah)[6]; George, M (George, Maureen)[5]

SOCIAL SCIENCE & MEDICINE
Volume: 140 Pages: 9-17
DOI: 10.1016/j.socscimed.2015.06.039
Published: SEP 2015
View Journal Information

Abstract
Asthma is complex and connected to a number of factors including access to healthcare, crime and violence, and environmental factors. In order to examine the experiences of urban people with asthma in a low-income, African-American community. Data from qualitative, semi-structured interviews were used. The most salient neighborhood factors to many respondents included crime, dumps, tree canopy and parks. These map layers were combined with three additional layers: geographic information systems (GIS); contextualized respondents' perceptions in the framework of the actual community and built environment which tells a more complete story about their experience with asthma. (C) 2015 Elsevier Ltd. All rights reserved.

Keywords
Author Keywords: Asthma control; Disparities; Geographic information systems; Semi-structured
Article full-text

• Ensure pop-ups are enabled
• Click Full-text options on the abstract screen
• Click to check
• the Library’s e-journal holdings for a subscription
• If we have a subscription, the full-text will load in a separate window
Export useful references to RefWorks

You will need to register with RefWorks before doing this

• Select the references you wish to keep using the tick-boxes
• At the top of the screen, click the arrow beside

Click to view a video of this step

• Select **Save to RefWorks**, then **Send**
• Select **Open Athens Credentials** on the RefWorks login screen
• Always save your references to a folder
Any questions?

Contact your Librarians for help and advice

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